BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
7632 —			
39264			
53987 —			
9816 —			
982 —			
1540 —			
43221 = W			

Rest & final

BR-318/297

M. A. R. 57 (Rule 116)

Measurement Book

No. B 258128

Serial No. .....

Name of Work ..... Improvement to roads & drains at Payana Badavara near GR Kalyana Mantapa in ward No. 8, Kodigehalli

From..... To.....

Name of Contractor of nature of Agency ..... K. Narasimha Raju

Date of commencement of work 22-02-2016

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimate cost : Rs. 95.17 lakhs Item code : 0808-16-000009 H/A : P1089 AS No. ΔΔMP/CE/YNK/1L/07/15-16 dtd 19.08.2015 TS No. ΔΔMP/CE/YNK/DR/06/2015-16 dtd 19.08.2015 WO No. BE/ATP/ΔΔMP/E-WMT/215/2015-16 dtd 16.02.2016. Measurement recorded on: 30-06-2016						
1)	Earthwork excavation in soil, excavated surface dressed even to true grading & slope as per Abstract No (1)	by manual means in ordinary lenkled & sides neatly dressed leveled neatly after complete Upto 258173 @ Rs. 65/-	- - -			962.81 = Rs.	Cum 62583/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2)	providing granite slabs of selected quality properly dressed & fixed in CM 1:6 cutting etc complete qty vide Ac no. (2) of page 258174 Limited to	-	-	-	-	938.00 sft 924.0 sft	
	@ Rs. 637/-	-	-	-	-	= Rs.	588588/-
3)	providing & laying in position PCC of mix 1:4:8 with OPC cement @ 180 kg with 40mm nominal, CA @ 0.85 cum, FA @ 0.57 cum machine mixed, cured & laid in layers etc complete as directed. qty vide Item no (1) of page 258173 Limited to	-	-	-	-	4.84 cum 4.62 cum	
	@ Rs. 4800/-	-	-	-	-	= Rs.	22176/-

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
4)	providing & complete super structure with dressed as direc qty vide Item no
5)	providing muled with CM 1:4, com qty vide Item no.

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
		938.00 Sqm	
		924.0 Sqm	
		= Rs. 588588/-	
		4.84 cum	
		4.62 cum	
		= Rs. 22176/-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258129

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4)	providing & constructing superstructure with CM 1:6 over plain & stone masonry in dressed as directed.					8.10	cum.
	qty vide Item no (4) page no. 258174			Limited To		7.56	cum
			@ Rs. 4700/-			= Rs	35532/-
5)	providing ruled joints to curved stone masonry with CM 1:4, cement as directed.					13.50	Sqm.
	qty vide Item no. (5) page 258174			Limited to		12.60	Sqm
			@ Rs. 90/-			= Rs.	1134/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Providing & laying in position RCC grade 1:2:4 with cement @ 320 kg/cum of dry mix consisting of 0.878 cum of CA @ 0.459 cum of FA @ 0.459 cum with Concrete Machine mixed as directed & complete.						
	Qty vide Abstract No (6) page 258/74	-	-	-	-	3.15 cum	
					Limited to	2.94 cum	
					@ Rs. 5300/-	= Rs.	15582/-
7)	providing & laying in position RCC grade design mix M20 with ordinary cement @ 320 kg/cum consisting of dry material, CA @ 0.878 cum & FA @ 0.459 cum with superplasticizer @ 1% by Concrete Machine mixed as directed & complete.						
	Deck slab	2	7.50	1.75	0.23	6.03 cum	
					Limited to	5.67 cum	
		@	Rs. 6000/-			= Rs.	34020/-

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
8)	Providing TMT steel reinforcement including straightening, cutting & bending in position as directed qty vide Abstract No. (8) page	
9)	providing & moving Concrete mixing etc & removal of surface etc complete qty vide Abstract No. (9) page	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
1.22 Qs metal used			
- - -		3.15 cum	
limited to		2.94 cum	
300/-		- - = Rs.	1582/-
design			
0.452 used			
0.23		6.03 cum	
limited to		5.67 cum	
- -		- = Rs.	3402.00/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 258130

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
8)	providing TMT steel reinforcement for RCC work including straightening, cutting, bending, laying in position as directed. Qty vide Aca No. (8) of page 258175	-	-	-	-	0.71	Qtl
				limited to		0.420	Qtl
			@ Rs. 50000/-	-	-	= Rs.	21000/-
9)	providing & moving centering shuttering including propping etc & removal of formwork for vertical surface etc complete as directed. Qty vide Aca No. (9) of page 258175	-	-	-	-	22.01	Sqm
				limited to		20.52	Sqm
		@	Rs. 298.54/-	-	-	= Rs.	6126/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	10) providing laying spreading & compacting graded stone aggregate to wet mix macadam specification including providing of material with water @ one mixing, carriage, laying compacting, rolling etc complete as directed, qty vide Item no. (10) of page 258178	-	-	-	-	429.47 cum Limited to 418.28 cum	
	@ Rs. 1300/-					= Rs.	543764/-
	11) Cleaning the existing WBM road surface including removing of binding material & other foreign matter from over berms etc complete as directed. qty vide Item no. (11) of page 258178	-	-	-	-	2025.50 Sqm	
	@ Rs. 10/-					= Rs.	20255/-

M.

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	12) Providing & applying primer Medium porosity like cea 1.10 kg/sqm over prepared etc complete as directed. qty vide item no. (12) of	
	13) cleaning the existing bitumen, tape bitumen etc qty vide Item no. (13) of Page	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...ing graded ...specified ...n water @ ...acity,			
- - -		429.47 cum	
...ted to		418.28 cum	
/- - - -		= Rs. 543764/-	
...ulpa ...e over ...ugete			
- - - -		2075.50 Sqm	
/- - - -		= Rs. 20755/-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258131

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
12)	Providing & applying primer coat for surfaces of Medium porosity like cement stabilised soil base @ 1.10 kg/sqm over prepared surface with bitumen emulsion complete as directed. Qty vide item no. (12) of Page 258178	- - -	- - -	- - -		2075.50 Sqm - = Rs. 65/-	134908/-
13)	Clearing the existing black topped surface with brooms, rope brushes etc complete as directed Qty vide item no. (13) of Page 258179	- - -	- - -	- - -		875.85 Sqm - = Rs. 3.0/-	2628/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14)	Providing & applying tack coat using 80/100 grade bitumen on prepared WBM topped surface at 2.5 kg per sqm or desired qty vide Item no. (14)					875.85 Sqm	
						@ Rs. 15/- = Rs.	13138/-
15)	Providing & laying semi-dense bituminous surface concrete using mixed aggregate of specified grading, premixed with bituminous binder & filler, grading premix, transporting laying finishing to required level, grade & alignment rolling as desired complete this fisheries road including fencing gate towards all	1	1206.0		(1.2+1.8)/2 × 0.25	= 15.68 cum	
		1×15		(7.0+6.8)/2	× 0.025	2.58 cum	

Checked.

27/7

M.B. (WB...

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
				80/100 grade concrete at
5817	- - -		875.85	Sec
Rs. 15/-	- - -		= Rs.	13138/-
				Itemwise Abstract of Materials & Labours & Transportation of grade I&
			(1.30+1.80)/2 x 0.25 = 15.56	cum
+5.8)/2 x 0.025			2.58	cum

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258132

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	15.0	(6.8+7.2)/2	0.025	2.62	cum.
		1	15.0	(7.2+6.7)/2	0.025	2.60	"
		1	15.0	(6.7+6.8)/2	0.025	2.52	"
		1	15.0	(6.8+6.5)/2	0.025	2.49	"
		1	15.0	(6.5+7.4)/2	0.025	2.60	"
		1	15.0	(7.4+7.1)/2	0.025	2.71	"
		1	15.0	(7.1+6.8)/2	0.025	2.60	"
		1	15.0	(6.8+6.8)/2	0.025	2.55	"
		1	11.0	(6.8+6.7)/2	0.025	1.85	"

Checked.

27/7

S.D.O. (W.S.)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross road-1, sector Kendera road feam OLK	1	15.0	$\frac{6+6.1}{2}$	0.025	2.28	Cross
		1	15.0	$\frac{6.1+6.1}{2}$	0.025	2.28	"
		1	15.0	$\frac{6.1+6.1}{2}$	0.025	2.32	"
		1	15.0	$\frac{6.1+7.1}{2}$	0.025	2.51	"
		1	15.0	$\frac{7.1+6.8}{2}$	0.025	2.60	"
		1	8.0	$\frac{6.8+6.8}{2}$	0.025	1.36	"
	Cross road-2 Near culvert feam Sri. Hosur	1	15.0	$\frac{6.5+6.6}{2}$	0.025	2.45	"
		1	15.0	$\frac{6.6+6.6}{2}$	0.025	2.47	"
		1	12.0	$\frac{6.6+6.6}{2}$	0.025	1.98	"
	Cross road-3, Near room road towards dead end	1	15.0	$\frac{5.2+5.2}{2}$	0.025	1.96	"
		1	15.0	$\frac{5.2+5.1}{2}$	0.025	1.98	"

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Cross road-4, Rajana building towards OLK	2 X 15
		1 X 1
		1 X 1
		1 X
		1 X
		1 X

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೋಡಿಗೆಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪ
ಬೆಂಗಳೂರು - 560092

BOOK

s		Contents	Reference to last Measurement
dth	Depth 6	7	8
x0.025		2.26	cum
x0.025		2.28	"
x 0.025		2.52	"
x0.025		2.51	"
x0.025		2.60	"
x0.025		1.36	"
0.025		2.45	"
x0.025		2.47	"
x0.025		1.98	"
x0.025		1.96	"
0.025		1.98	"

M. A. R. 57 (Rule 116)
Measurement Book

No. B 258133

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2 x 15.0 x	$\frac{(5.3+5.1)}{2}$		x 0.025	3.96	cum
		1 x 11.0 x	$\frac{(5.4+5.2)}{2}$		x 0.025	1.45	"
	Cement road-4 Rajana building towards back	1 x 15.0 x	$\frac{(7.2+6.8)}{2}$		x 0.025	2.68	"
		1 x 15.0 x	$\frac{(6.8+6.8)}{2}$		x 0.025	2.55	"
		1 x 15.0 x	$\frac{(6.8+6.8)}{2}$		x 0.025	2.55	"
		1 x 15.0 x	$\frac{(6.8+7.1)}{2}$		x 0.025	2.60	"
		1 x 15.0 x	$\frac{(7.1+7.1)}{2}$		x 0.025	2.66	"
		1 x 5.00 x	$\frac{(7.1+7.1)}{2}$		x 0.025	0.89	"
					Total	84.12	cum

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೆಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪ
ಬೆಂಗಳೂರು - 560092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Lintel-b		84.01	cum
				@ Rs. 8600/-	- -	- = Rs.	722486/-
16)	Lead for disposal at carriage rate as directed by Ade Asi no. (16)		lotal mass by mechanical means				
			Qty 258173	- -	-	914.67	cum
				@ Rs. 65/-	-	- = Rs	59454/-
				Grand Total Amount = Rs			2294474.00
1)	Certificate the work is complete satisfactorily & there are no departmental recovery & any work.						

20/6/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2

Contents	Reference to last Measurement
7	8
84.01 cum	
= Rs.	722485/-
	=
914.67 cum	
= Rs	59454/-
= Rs	2294474.00

M. A. R. 57 (Rule 116)

Measurement Book

No. B 258134

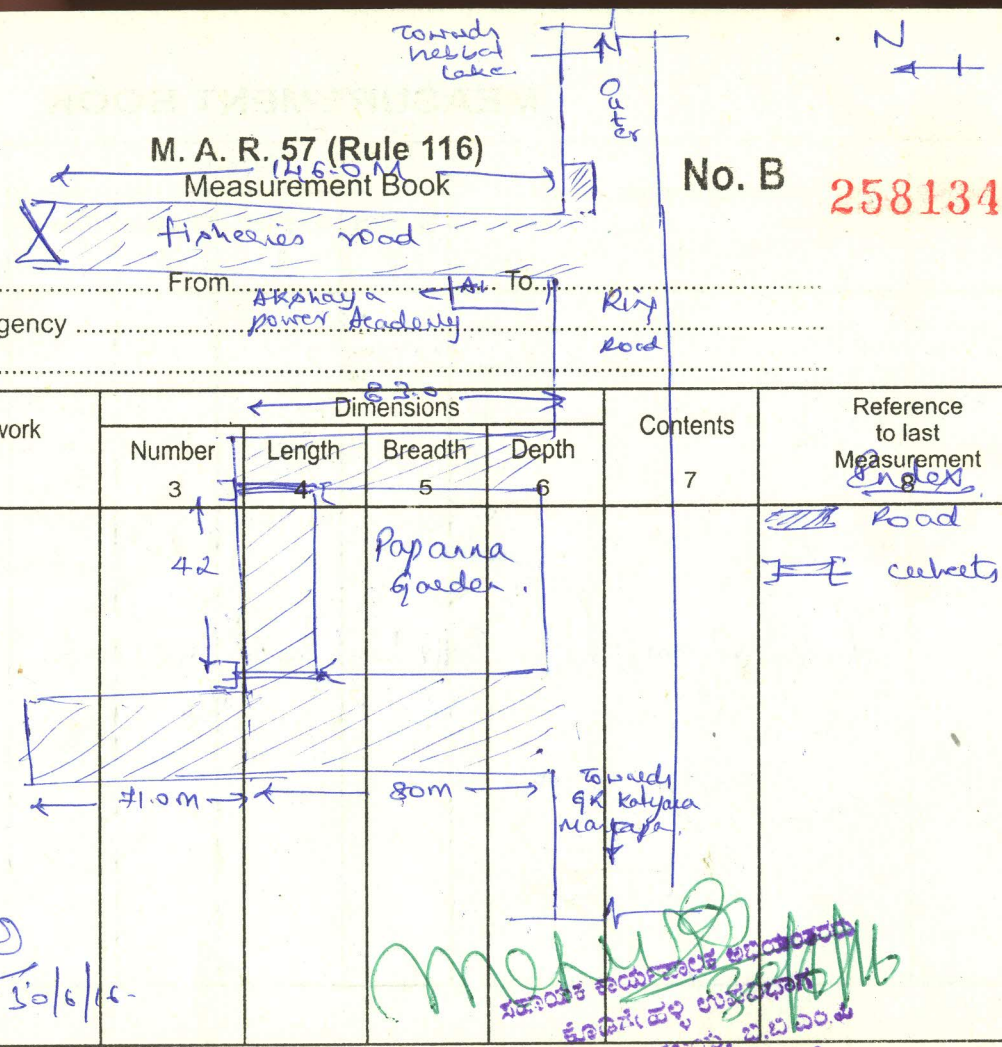
Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							Index
							Road
							Culverts



6 30/6/16

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions					Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 229445=00 ಗಳಿಗೆ ಬಾರು ಮಾಡಿದೆ. ಇದರಲ್ಲಿ ರೂ. 180945=00 ಹೊರಪಡೆ ಮಾಡಿಕೊಂದು ಉಳಿದ ಮೊಬಲಗು ರೂ. 211329=00 ಇಂತು ಮುಖ್ಯರ ಅಧಿಕಾರಿ Krishnaja B.E ಪದವಿ ಅಧಿಕಾರದ ಮೇರೆಗೆ					IT – 22945 – VAT – 91779 – Lwc – 22945 – CBF – 2295 – Roy – 110981 TOTAL 180945=00 Div. 1 Dy. 2/9/16	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2